

06-26-01

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**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
EN9010004US1Total Pages in this Submission  
4**TO THE ASSISTANT COMMISSIONER FOR PATENTS**Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**MULTIPLE PARALLEL ENCODERS AND STATISTICAL ANALYSIS THEREOF FOR ENCODING A VIDEO SEQUENCE**

and invented by:

Charles Boice, Joseph G. Schaefer, Brian J. Cascarino, Charles C. Stein

ASSIGNEE NAME: International Business Machines Corporation

ASSIGNEE ADDRESS: Armonk, New York

If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 43 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Microfiche Appendix (if applicable)
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☐ Brief Description of the Drawings (if drawings filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

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**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal                      Number of Sheets Eight (8)
- b. ☐ Informal                      Number of Sheets \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☒ Newly executed *(original or copy)*      ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied  
under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.
6. ☐ Computer Program in Microfiche *(Appendix)*
7. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy *(identical to computer copy)*
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

8. ☒ Assignment Papers *(cover sheet & document(s))*
9. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
10. ☐ English Translation Document *(if applicable)*
11. ☒ Information Disclosure Statement/PTO-1449      ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class      ☒ Express Mail *(Specify Label No.):* EK673023644US

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Total Pages in this Submission

4

**Accompanying Application Parts (Continued)**

15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☒ Additional Enclosures *(please identify below):*

Patent Application Bibliographic Data (2 pages)

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

17. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**Warning**

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

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Docket No.  
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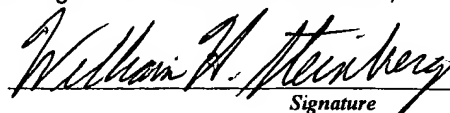
Total Pages in this Submission  
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**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	39	- 20 =	19	x \$18.00	\$342.00
Indep. Claims	3	- 3 =	0	x \$80.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$710.00
OTHER FEE (specify purpose)					\$0.00
TOTAL FILING FEE					\$1,052.00

- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 09-0457 (IBM) as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$1,052.00 as filing fee.
  - ☒ Credit any overpayment.
  - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
  - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

William H. Steinberg, Esq.  
Registration No. 28,540  
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Endicott, New York 13760-5553  
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Dated: 6/25/ , 2001

CC: RECORDS

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

In Re Application of:      Boice et al.

Title.:      MULTIPLE PARALLEL ENCODERS AND STATISTICAL ANALYSIS  
             THEREOF FOR ENCODING A VIDEO SEQUENCE

Attorney Docket No.: EN9010004US1 (Our Ref. No. 0827.078)

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I hereby certify that this paper is being deposited  
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WASHINGTON, D.C. 20231

Christine Lang

(Typed or printed name of person mailing paper or fee)

*Christine Lang*

(Signature of person mailing paper or fee)

- \* U.S. Patent Application which includes:  
Specification (30 pages), 39 Claims (12 pages), Abstract  
(1 page)
- \* Eight (8) sheets of Formal Drawings
- \* Utility Patent Application Transmittal Letter (4 pages)  
(in duplicate)
- \* Declaration and Power of Attorney for Patent Application  
(4 pages - Executed)
- \* Recordation Cover Sheet and Assignment (2 pages)
- \* Information Disclosure Statement (2 pages)
- \* Information Disclosure Citation and eighteen (18) references
- \* Patent Application Bibliographic Data (2 pages)
- \* Two (2) Acknowledgment Postcards

Docket No.: EN9010004US1

Inventor: Boice et al.

Title: MULTIPLE PARALLEL ENCODERS AND  
STATISTICAL ANALYSIS THEREOF  
FOR ENCODING A VIDEO SEQUENCE

APPLICATION FOR UNITED STATES  
LETTERS PATENT

"Express Mail" Mailing Label No.: EK673023644US  
Date of Deposit: 6/25/2001

I hereby certify that this paper is being  
deposited with the United States Postal Service  
as "Express Mail Post Office to Addressee" service  
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and is addressed to: Box Patent Application,  
Assistant Commissioner for Patents, Washington,  
D.C. 20231.

Name: Christine Lang

Signature: Christine Lang

INTERNATIONAL BUSINESS MACHINES CORPORATION

0936964-0630